

Algebra I
Mrs. Arot/Mrs. Britton
Chapter 3 – Review

Name: _____

Date: _____

Directions: *Show All Work for Full Credit.*

Part I:

1. Solve $x + 0.49 = 2$

2. Solve $\frac{x}{3.2} = 5.4$

3. Solve $5x + 4.3 = 7x - 7.3$

4. Solve $4m - 7 = 9$

5. Solve $\frac{3}{2}x + 6 = 9$

6. Solve $3 - (4x + 2) = -10$

Part II: Free Response. Show all work and be neat!!

Solve each equation.

7. $-3x = -1515$	8. $x + 4 = 3$	9. $\frac{c}{-2} = 0.5$
10. $\frac{x}{2} - 4 = 24$	11. $\frac{a}{-25} = -4$	12. $\frac{b}{-1} = -10$
13. $10x - 2 = 18$	14. $5x + 5 = 15$	15. $-7(x + 2) = -18$

16. $5(x - 4) = 10$	17. $3(3x + 3) = 102$	18. $1x - 5(1 - 3x) = -30$
19. $6k - 2.7 = 4k + 0.3$	20. $4x - 3(x + 4) = 4x - 7$	21. $14m + 2 = 5m - 8$
22. $-7x + 9 = x - 6$	23. $2(x + 3) = -3(x + 4)$	24. $2 - 4x = 6(x + 3)$

Using words, describe what you would do, **in order**, to solve this equation for x . You can write your answer in the form of a checklist. If it helps to solve the equation before writing the description then feel free to do so. You will be graded only on your written response.

25. $3(x + 4) = 2x + 3x + 7$

Write response here:

Solve for the indicated variable.

26. $a + b = c$, for c

27. $y = mx + 15$, for m